

Serial No. 09/396112 - APPENDIX535
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C1 305. Apparatus for authenticating a specific individual by comparing a present biometric signature, which comprises a ratio of measurements of unique, internal electric and/or magnetic and/or acoustic properties of a plurality of different body parts of said specific individual, with at least one known biometric signature, said apparatus including a card having a plurality of electrodes for engagement with said body parts to generate said present biometric signature, a reader for reading the present biometric signature generated by the card, and a comparator for comparing the present and known biometric signatures to authenticate the individual if the biometric signatures match.

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C2 318. Apparatus for authorizing an action by a specific individual, comprising biometric signature generating means for generating a present biometric signature, that comprises a ratio of measurements of unique, internal electric and/or magnetic and/or acoustic properties of a plurality of different body parts of said specific individual,

a database containing known biometric signatures representing a class of individuals, and

a comparator for comparing the present biometric signature and the known biometric signatures in said database to determine if said individual is a member of said class of individuals, and for authorizing an action by said specific individual when identified as a member of said class.

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C3 327. The apparatus of any of claims 307 or 320, wherein the action is accessing an area.

328. The apparatus of any of claims 307 or 320, wherein the action is accessing a database.

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329. The apparatus of any of claims 307 or 320, wherein the action is ~~authorizing~~ a financial transaction.

330. The apparatus of any of claims 307 or 320, wherein the action is ~~accessing~~ a locked device.

331. The apparatus of any of claims 307 or 320, wherein the action is ~~enabling~~ access to transportation.

332. The apparatus of any of claims 307 or 320, wherein the action is ~~accessing~~ telecommunications equipment.

333. The apparatus of any of claims 307 or 320, wherein the action is ~~boarding~~ a transportation vehicle.

334. The apparatus of any of claims 307 or 320, including an electronic ~~passport~~ having known biometric signature of the individual, and a passport reader which reads the known biometric signature to allow the individual through customs ~~when~~ authenticated.

335. The apparatus of any of claims 307 or 320, wherein the action is ~~administering~~ government benefits or funds, and including a memory having an ~~account~~ of the individual, which includes funds/benefits values, and the mechanism ~~includes~~ means for adjusting the funds/benefits values in the account when the of ~~the~~ individual is authenticated.

336. The apparatus of any of claims 307 or 320, wherein the action is ~~accessing~~ a room having an access door having a handle and a lock including ~~means~~ to unlock the door when individual is authenticated.

C4 340. The apparatus of any of claims 307 or 320, wherein the action is accessing electronic records stored in a memory, and including a forehead-mounted headset fitted with virtual screen glasses having a see-through mode, which allows the individual to jointly view a patient and the electronic records through the glasses, said headset having sensors for obtaining the biometric signature of the individual, a transmitter for transmitting the biometric signature to the comparator, and a receiver which receives the electronic records when the individual is authenticated.

C5 342. The apparatus of any of claims 307 or 320, wherein the action is monitoring the location of the individual.

C6 344. The apparatus of any of claims 307 or 320, wherein the action is tracking the individual, and the signature generating means includes a first transmitter/receiver and a GPS carried by the individual, and the comparator has an associated second transmitter/receiver in communication with the first transmitter/receiver for receiving information including the biometric signature of the individual from the first transmitter/receiver to identify and ascertain the position of the individual.

345. A method of authorizing an action by a specific individual, comprising the steps of

generating a present biometric signature that comprises a ratio of measurements of unique, internal electric and/or magnetic and/or acoustic properties of a plurality of different body parts of said specific individual,

providing a database containing known biometric signatures representing a class of individuals,

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comparing the present biometric signature and the known biometric signatures in said database to determine if said individual is a member of said class of individuals, and

authorizing the action by said specific individual when identified as a member of said class.

357. Apparatus for authorizing an action by a specific individual, comprising
means for generating a present biometric signature that comprises a ratio of measurements of unique, internal electric and/or magnetic and/or acoustic properties of a plurality of different body parts of said specific individual,

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a database containing known biometric signatures representing a class of individuals,

means for comparing the present biometric signature and the known biometric signatures in said database to determine if said individual is a member of said class of individuals, and

means for authorizing the action by said specific individual when identified as a member of said class.